

**ACCP/ESCP International Congress on Clinical Pharmacy  
ACCP Updates in Therapeutics: the Pharmacotherapy Preparatory Course  
PPAG International Pediatric Pharmacy and Pharmacology Symposium**

*All meeting events will be held at the Rosen Centre Hotel and the Orange County Convention Center in Orlando, Florida, U.S.A.*

**Program Goals and Target Audience**

Educational programs and networking sessions are designed for everyone involved with clinical pharmacy – students, residents, fellows, experienced practitioners, and educators. Using both didactic lectures and interactive workshops to apply learning, the Congress programs are designed to provide attendees with new, high-quality information that will be both challenging and applicable in their practice and to provide a global perspective on the issues pharmacists face today.

The Pharmacotherapy Preparatory Course is designed to help pharmacists who are preparing for the Board of Pharmaceutical Specialties Certification Examination in Pharmacotherapy, as well as those seeking a general review and refresher on disease states and therapeutics.

**Program Agenda**

\*Premeeting symposia require separate registration.

**Friday, April 24, 2009**

**7:00 a.m. – 6:00 p.m.**

**Meeting Registration, Bookstore, and Cyber Café**

**8:00 a.m. – 4:30 p.m.**

**\*Leadership Primer**

*Part of the ACCP Academy Leadership and Management Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

*Moderator: Robert E. Smith, Pharm.D.*

*Professor and Assistant to the Dean for Professional Affairs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.*

*Faculty: Robert S. Beardsley, R.Ph., Ph.D.*

*Professor, University of Maryland School of Pharmacy, Baltimore, Maryland, U.S.A.*

*Peter D. Hurd, Ph.D.*

*Professor and Assistant Dean, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.*

*Robert E. Smith, Pharm.D.*

8:00 a.m.

Leadership/Management: A Macro View of an Organization

9:00 a.m.

Break

9:15 a.m.

Introduction to Organizational Behavior, Part I

10:15 a.m.	Break
10:30 a.m.	Introduction to Organizational Behavior, Part II
11:30 a.m.	Lunch (on your own)
12:30 p.m.	The Basics of Motivating People at Work
1:30 p.m.	Break
1:45 p.m.	The Paradigms and Principles of Power
2:45 p.m.	Break
3:00 p.m.	A Contemporary Look at Leadership
4:00 p.m.	Questions and Answers
<b>8:00 a.m. – 5:15 p.m.</b>	<p><b>*Research Primer</b>  <i>Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at <a href="http://www.accp.com/academy">http://www.accp.com/academy</a>.</i></p> <p><i>Moderator: Gary C. Yee, Pharm.D., FCCP, BCOP</i>  University of Nebraska Medical Center, College of Pharmacy,  Omaha, Nebraska, U.S.A.</p>
8:00 a.m.	Welcome and Overview of the Academy Program <i>Gary C. Yee, Pharm.D., FCCP, BCOP</i>
8:15 a.m.	Introduction to Clinical Research <i>Gary C. Yee, Pharm.D., FCCP, BCOP</i>
9:00 a.m.	Anatomy of a Research Project <i>Gary C. Yee, Pharm.D., FCCP, BCOP</i>
10:00 a.m.	Break
10:15 a.m.	How to Develop a Research Question and Write the Background and Significance <i>Kathleen Bungay, B.S., R.Ph., Pharm.D., M.S., FCCP</i> Associate Professor, Northeastern University School of Pharmacy, Boston, Massachusetts, U.S.A.
11:00 a.m.	Lunch Break (on your own)
12:30 p.m.	Small Group Discussion
2:30 p.m.	Break
2:45 p.m.	Overview of the Online Portfolio

3:00 p.m.	How to Find a Mentor and Assemble a Research Team <i>Susan C. Fagan, Pharm.D., FCCP, BCPS</i> Professor, Clinical and Administrative Pharmacy, University of Georgia, Augusta, Georgia, U.S.A.
4:00 p.m.	Tips on Scientific Writing <i>Richard T. Scheife, Pharm.D., FCCP</i> Editor-in-Chief, <i>Pharmacotherapy</i> , Boston, Massachusetts
5:00 p.m.	Closing Remarks
<b>8:00 a.m. – 6:00 p.m.</b>	<b>PPAG Symposia</b>
8:00 a.m.	Welcome: PPAG, ACCP, ESCP, NPPG, CPA
8:30 a.m.	History of Pediatric Pharmacology in the United States <i>Honorary Chair: Sumner Yaffe</i> Consulting Professor, School of Medicine, Stanford University Medical Centre
9:00 a.m.	Outreach <i>Chair: David Knoppert</i>
	WHO Millennium Development Goals for 2015 <i>Sue Hill</i> Scientist, Medicines, Access and Rational Use, Essential Medicines and Pharmaceutical Policies, World Health Organization
9:40 a.m.	Malaria in Africa <i>Kadima Ntokamunda</i> Faculty of Medicine, Department of Pharmacy, University of Rwanda, Rwanda
10:20 a.m.	Break
10:50 a.m.	WHO List of Essential Medicines for Children <i>Andy Gray</i> Senior Lecturer, Department of Therapeutics and Medicines Management, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, South Africa

11:30 a.m.	<p>Translational Research <i>Chair: Michael Rieder</i></p> <p>Building a National Clinical Trials Network <i>Tony Nunn</i> Clinical Director, Department of Pharmacy; Associate Director, NIHR Medicines for Children Research Network, University of Liverpool, Alder Hey Children's NHS Foundation Trust, Liverpool, United Kingdom</p> <p>The Global Nature of Pediatric Clinical Trials—Perspective from Industry <i>Klaus Rose</i> Head Pediatrics, F. Hoffmann-La Roche Ltd., Pharmaceuticals Division, Basel, Switzerland</p>
12:15 p.m.	Lunch Break
1:15 p.m.	<p>Pharmacogenomics and the Variability in Drug Response in Children <i>Steve Leeder</i> Chief, Division of Pediatric Pharmacology &amp; Medical Toxicology, Children's Mercy Hospital, Kansas City, Missouri, U.S.A.</p>
2:00 p.m.	<p>Developmental Pharmacology <i>Hussain Mulla</i> Co-Director, Centre for Therapeutic Evaluation of Drugs in Children, University Hospitals of Leicester NHS Trust, Glenfield Hospital, Groby Road, Leicester, United Kingdom</p> <p><i>John Van Den Anker</i> Vice Chair of Pediatrics for Experimental Therapeutics, Evan and Cindy Jones Professor of Pediatric Clinical Pharmacology, Chief, Division of Pediatric Clinical Pharmacology, Children's National Medical Center; Professor of Pediatrics, Pharmacology &amp; Physiology, George Washington University School of Medicine and Health Sciences, Washington, D.C., U.S.A.</p>
2:45 p.m.	Break

- 3:15 p.m. Clinical Practice  
*Chair: Elizabeth Farrington*
- European vs. American Legislation for Pediatric Medications  
*Agnes Saint Raymond*  
Head of Scientific Advice and Orphan Drugs, European Medicines Agency
- George Giacoia*  
Program Scientist for the Pediatric Pharmacology Research Unit Network, Obstetric and Pediatric Pharmacology Branch, Center for Research for Mothers and Children, Eunice Kennedy Shriver NICHD, NIH, Bethesda, Maryland, U.S.A.
- Klaus Rose*  
Head Pediatrics, F. Hoffmann-La Roche Ltd., Pharmaceuticals Division, Basel, Switzerland
- 4:00 p.m. Pediatric Clinical Pharmacy Education and Training  
*Timothy Todd*  
Associate Professor of Pharmacy Practice; Director, Pharmacotherapy Residency, Midwestern University Chicago College of Pharmacy, Downers Grove, Illinois, U.S.A.
- Stephen Tomlin, MRPharmS, ACPP*  
Consultant Pharmacist, Children's Services, Evelina Children's Hospital, London, England
- 4:45 p.m. Ethical Issues in Pediatric Drug Therapy  
*Arnold Vulto*  
Department Head Hospital Pharmacy/Director of Research and Education; Professor in Hospital Pharmacy & Practical Therapeutics, Erasmus University Medical Center, Rotterdam, The Netherlands
- 5:30 p.m. Questions and Answers
- 1:00 p.m. – 5:30 p.m. Updates in Therapeutics: The Pharmacotherapy Preparatory Course**  
*Moderator: Kirsten H. Ohler, Pharm.D., BCPS*  
Clinical Assistant Professor, University of Illinois, Chicago, Illinois, U.S.A.
- 1:00 p.m. The Pharmacotherapy Exam and Tips for Preparing  
*Richard J. Bertin, Ph.D., R.Ph.*  
Executive Director, Board of Pharmaceutical Specialties, Washington, DC, U.S.A.
- 2:10 p.m. Pediatrics  
*Kirsten H. Ohler, Pharm.D., BCPS*
- 3:20 p.m. Geriatrics  
*Norma J. Owens, Pharm.D, FCCP, BCPS*  
Professor of Pharmacy, University of Rhode Island, Rhode Island Geriatric Education Center, Kingston, Rhode Island, U.S.A.



6:30 p.m. – 8:00 p.m.

**PPAG Networking Reception and Roundtables**

*Chair: Leslie Briars*

Roundtable Topics:

Sedation in Critical Care

*Sara Arenas*

Standardized Dosing

*Kirsten Ohler*

Parenteral Nutrition

*Venetia Horne*

Pediatric Dosing for Obesity/PKs

*Lisa Lubsch*

Pediatric Liver Disease

*Penny North-Lewis*

Palliative Care

*Tracy Hagemann*

Herbals/Complementary and Alternative Medicine

*Kay Kyllonen*

Global Issues in Anticoagulation

*Rhian Isaac*

Adherence/ Compliance/ Concordance

*Stephen Tomlin*

Pandemic/Emergency Planning

*Shannon Manzi*

**Saturday, April 25, 2009**

7:00 a.m. – 6:30 p.m.

**Meeting Registration, Bookstore, and Cyber Café**

7:00 a.m. – 9:00 a.m.

**Satellite Symposia**

9:15 a.m. – 10:30 a.m.

**Opening Session**

*Moderators: John E. Murphy, Pharm.D., FCCP, FASHP  
ACCP President; University of Arizona, Tucson, Arizona, U.S.A.*

*Frank Jorgensen*

*ESCP President; Advisory Service Hordaland, The Hospital  
Pharmacy at Hauuelanb, Bergen, Norway*

9:15 a.m.

Welcome and Introductory Remarks

9:30 a.m.	Keynote Address  Protecting Our Patients: Clinical Pharmacy's Role in Safety and Error Prevention <i>Nick Barber, B.Pharm., Ph.D., CHSM, MR.Pharm.S., FRSM</i> Professor of the Practice of Pharmacy, The School of Pharmacy, University of London, London, England, United Kingdom
10:15 a.m.	Questions and Answers
<b>10:45 a.m. – 12:15 p.m.</b>	<b>Plenary Session 1</b> <i>Moderator: Pat Murray</i> Director of Pharmacy, NHS Lothian, Edinburgh, Scotland, United Kingdom
10:45 a.m.	Learning from Medication Error Management: Improving Patient Outcomes <i>Robert J. Weber, M.S., FASHP</i> Associate Professor, Chief Pharmacy Officer, University of Pittsburgh School of Pharmacy; University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, U.S.A.
11:30 a.m.	New Innovations and Clinical Applications of Genomics <i>Nita A. Limdi, Pharm.D., MSPH</i> University of Alabama, Birmingham, Alabama, U.S.A.
<b>9:15 a.m. – 12:15 p.m.</b>	<b>Updates in Therapeutics: The Pharmacotherapy Preparatory Course</b> <i>Moderator: G. Robert DeYoung, Pharm.D., BCPS</i> Clinical Pharmacist, Ambulatory Care, Advantage Health Physicians, and St. Mary's Health Care, Grand Rapids, Michigan, U.S.A.
9:15 a.m.	Biostatistics: A Refresher <i>G. Robert DeYoung, Pharm.D., BCPS</i>
10:55 a.m.	Clinical Trials: Fundamentals of Design and Interpretation <i>G. Robert DeYoung, Pharm.D., BCPS</i>
<b>12:30 p.m. – 2:00 p.m.</b>	<b>Scientific Poster Presentations I and Lunch</b>
<b>2:15 p.m. – 3:45 p.m.</b>	<b>PPAG Workshop I</b> Medication Error Prevention/Promoting Safety of Medications for Children <i>Eric Rose, Pharm.D.</i> Corporate Pharmacy Informatics Liaison, Orlando Health  <i>Ian Chi Kei Wong</i> Director and Professor of Paediatric Medicines Research, Centre for Paediatric Pharmacy Research, A collaboration between the School of Pharmacy, Institute of Child Health & Great Ormond Street Hospital for Children, London, United Kingdom

2:15 p.m. – 3:45 p.m.

**PPAG Workshop II**

Pediatric Formulations

*Milap Nahata*

Professor and Division Chair, College of Pharmacy; Professor of Pediatrics and Internal Medicine, Ohio State University; Editor-in-Chief, *Annals of Pharmacotherapy*

*Catherine Tuleu*

Senior Lecturer and Deputy Director, Department of Pharmaceutics & Centre for Paediatric Pharmacy Research, The School of Pharmacy, University of London, London, United Kingdom

2:15 p.m. – 3:45 p.m.

**PPAG Workshop III**

Pharmacogenomics 101: Case Studies on the Variability in Drug Response in Children

*Steve Leeder*

2:15 p.m. – 3:45 p.m.

**PPAG Workshop IV**

Pediatric Dosing References for the Clinical Pediatric Pharmacist

1. Assessing Content and Quality

*Catrin Barker*

Lead Pharmacist, Medicines for Children Local Research Network, Cheshire, Merseyside and North Wales, Alder Hey Children's NHS Foundation Trust, Eaton road, Liverpool

2. Pediatric Pharmacy and Pharmacology Journals: What Should I Read and Where Should I Publish?

*Mike Rieder*

Editor, *Paediatric and Perinatal Drug Therapy*

*Michelle Wilde*

Editor, *Pediatric Drugs*

*Stephanie Phelps*

Editor, *The Journal of Pediatric Pharmacology and Therapeutics*

2:15 p.m. – 4:00 p.m.

**Improving Medication Safety Through Interprofessional Education (IPE)**

*Developed by the Education and Training PRN.*

*Available for ACCP Academy Teaching and Learning Certificate Program credit. For more information visit the Web site at <http://www.accp.com/academy>.*

*Moderator: Charles T. Taylor, Pharm.D., BCPS*

Senior Associate Dean for Professional Education; Professor, Department of Pharmaceutical Care and Health Science, University of Minnesota College of Pharmacy, Minneapolis, Minnesota, U.S.A.

2:15 p.m.

Interprofessional Education: A Primer

*Anne L. Hume, Pharm.D., FCCP, BCPS*

Professor of Pharmacy, University of Rhode Island, Kingston, Rhode Island, U.S.A.; Adjunct Professor of Family Medicine, Warren Alpert Medical School of Brown University, Providence, Rhode Island, U.S.A.

- 2:45 p.m. Interprofessional Education: the European Union Experience  
*Moirá Kinnear, BSc, MSc, MRPharmS*  
Head of Education, Research & Development, NHS Lothian, Edinburgh; Lecturer in Clinical Practice, University of Strathclyde, Glasgow, Scotland, United Kingdom
- 3:15 p.m. Interprofessional Education: the United States Experience  
*James D. Scott, Pharm.D., M.Ed., B.S., AAHIVE*  
Associate Professor of Pharmacy Practice and Administration, Western University of Health Sciences College of Pharmacy, Pomona, California, U.S.A.
- 3:45 p.m. Questions and Answers
- 2:15 p.m. – 4:00 p.m. International Pharmacovigilance and the Role of Pharmacists**  
*Developed by the Pharmaceutical Industry PRN.*
- Moderator: Andrea J. Anderson, Pharm.D*  
Senior Medical Liaison, Genentech, Inc., Sterling, Massachusetts, U.S.A.
- 2:15 p.m. Pharmacovigilance: Risk Management Strategies Across the World
- 2:45 p.m. Parallel Trading and Internet Pharmacy: U.S. Perspective  
*Gary R. Matzke, Pharm.D., FCP, FCCP, FASN*  
Associate Dean for Clinical Research and Public Policy; Professor of Pharmacy and Medicine, School of Pharmacy, Virginia Commonwealth University, Richmond, Virginia, U.S.A.
- 3:15 p.m. Parallel Trading and Internet Pharmacy: European Perspective  
*Frederic Badey, Pharm.D.*  
Director, International Affairs, Institutional and Professional Relations, sanofi-aventis, Washington D.C., U.S.A.
- 3:45 p.m. Questions and Answers
- 2:15 p.m. – 4:00 p.m. Transitional Care Across Inpatient and Outpatient Settings**  
*Developed by the Ambulatory Care PRN, Adult Medicine PRN, and Primary Care SIG.*
- Moderator: Joel C. Marrs, Pharm.D., BCPS*  
Assistant Professor, Oregon State University, Portland, Oregon, U.S.A.
- 2:15 p.m. Effective Transitions Across the Continuum of Care  
*Martin Rowland, BPharm, MSc, Pharm.D., BCPS*  
Pharmacist, Queensway Carleton Hospital, Ottawa, Ontario, Canada
- 2:45 p.m. Establishing Transitional Processes of Care for Patients Living Independently Between Primary Care and Tertiary Care Centers  
*Jennifer K Miller, Pharm.D., BCPS*  
Inpatient Clinical Pharmacist, Kansas City Veterans' Administration Medical Center, Kansas City, Missouri, U.S.A.



- 4:00 p.m. – 5:30 p.m.**      **PPAG Workshop I (Encore Program)**  
 Medication Error Prevention/Promoting Safety of Medications for Children  
*Eric Rose, Pharm.D.*  
 Corporate Pharmacy Informatics Liaison, Orlando Health
- Ian Chi Kei Wong*  
 Director and Professor of Paediatric Medicines Research, Centre for Paediatric Pharmacy Research, A collaboration between the School of Pharmacy, Institute of Child Health & Great Ormond Street Hospital for Children, London, United Kingdom
- 4:00 p.m. – 5:30 p.m.**      **PPAG Workshop II (Encore Program)**  
 Pediatric Formulations  
*Milap Nahata*  
 Professor and Division Chair, College of Pharmacy; Professor of Pediatrics and Internal Medicine, Ohio State University; Editor-in-Chief, Annals of Pharmacotherapy
- Catherine Tuleu*  
 Senior Lecturer and Deputy Director, Department of Pharmaceutics & Centre for Paediatric Pharmacy Research, The School of Pharmacy, University of London, London, United Kingdom
- 4:00 p.m. – 5:30 p.m.**      **PPAG Workshop III (Encore Program)**  
 Pharmacogenomics 101: Case Studies on the Variability in Drug Response in Children  
*Steve Leeder*
- 4:00 p.m. – 5:30 p.m.**      **PPAG Workshop IV (Encore Program)**  
 Pediatric Dosing References for the Clinical Pediatric Pharmacist
1. Assessing Content and Quality  
*Catrin Barker*  
 Lead Pharmacist, Medicines for Children Local Research Network, Cheshire, Merseyside and North Wales, Alder Hey Children's NHS Foundation Trust, Eaton road, Liverpool
  2. Pediatric Pharmacy and Pharmacology Journals: What Should I Read and Where Should I Publish?  
*Mike Rieder*  
 Editor, Paediatric and Perinatal Drug Therapy
  - Michelle Wilde*  
 Editor, Pediatric Drugs
  - Stephanie Phelps*  
 Editor, The Journal of Pediatric Pharmacology and Therapeutics
- 4:30 p.m. – 6:00 p.m.**      **Curricular Track 1: Technology and Medication Safety**
- New Technologies to Improve Information Exchange and Rational Decision-making Among Health Care Providers**  
*Moderator: J.W.Foppe van Mil, Ph.D., Pharm.D.*  
 Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands

- 4:30 p.m. New and Emerging Provider-oriented Technologies  
*Brent I. Fox, Pharm.D., Ph.D.*  
Assistant Professor, Auburn University Harrison School of Pharmacy, Auburn, Alabama, U.S.A.
- 5:15 p.m. New and Emerging Patient-oriented Technologies  
*Han de Gier, Pharm.D., Ph.D.*  
Professor of Pharmaceutical Care, University of Groningen, The Netherlands
- 4:30 p.m. – 6:00 p.m. Curricular Track 2: Complementary and Alternative Medications (CAM)**
- Complementary and Alternative Medication Use: Case-based Debates of the Evidence**  
*Moderator: Sunny Linnebur, Pharm.D., FASCP, BCPS, CGP*  
Associate Professor, University of Colorado Denver School of Pharmacy, Aurora, Colorado, U.S.A.
- Faculty: Adriane Fugh-Berman, M.D.*  
Associate Professor, Department of Physiology and Biophysics Georgetown University Medical Center, Washington DC, U.S.A.
- Mathias Schmidt, Ph.D.*  
Association for Natural Medicine in Europe (ANME, Germany)
- 4:30 p.m. Pro #1: Case-based Evidence of CAM Value
- 4:45 p.m. Con #1: Response to Case-based Evidence
- 5:00 p.m. Pro #2: Case-based Evidence of CAM Value
- 5:15 p.m. Con #2: Response to Case-based Evidence
- 5:30 p.m. Moderated Audience/Panel Discussion
- 4:30 p.m. – 6:00 p.m. Curricular Track 3: Impact of Pharmacogenomics and Culture on Medication Use and Safety**
- Impact of Pharmacogenomics on Medication Use and Safety**  
*Moderator: Martin Schulz, Ph.D.*  
Managing Director, Department of Medicine, ABDA, Berlin; Adjunct Professor, Goethe University Frankfurt, Frankfurt, Germany
- 4:30 p.m. Oncology Focus  
*Howard L. McLeod, Pharm.D., FCCP*  
Fred N. Eshelman Distinguished Professor; Director, UNC Institute for Pharmacogenomics and Individualized Therapy, University of North Carolina, Chapel Hill, North Carolina, U.S.A.
- 5:00 p.m. Cardiology Focus  
*Heyo K. Kroemer, Ph.D.*  
Dean, Medical School; Professor and Chairman, Department of Pharmacology, Ernst Moritz Arndt University, Greifswald, Germany

5:30 p.m. Infectious Diseases Focus  
*Mary W. Roederer, Pharm.D., CPP, BCPS*  
Research Assistant Professor, University of North Carolina  
Eshelman School of Pharmacy, Chapel Hill, North Carolina,  
U.S.A.

**4:30 p.m. – 6:00 p.m. Curricular Track 4: Medication Error Assessment and Strategies  
for Error Prevention**

**Medication Error Assessment in North America and Europe**

*Moderator: Brian L. Erstad, Pharm.D.*

Professor, College of Pharmacy-Pulido Center, The University of  
Arizona, Tucson, Arizona, U.S.A.

4:30 p.m. Advances in Medication Error Assessment in North American and  
European Hospitals  
*Mary P. Tully, Ph.D., MRPharmS*  
Clinical Senior Lecturer, School of Pharmacy & Pharmaceutical  
Sciences, University of Manchester, Manchester, United Kingdom

5:15 p.m. Advances in Medication Error Assessment in North American and  
European Community Settings  
*Rachel L Howard, Ph.D., DipClinPharm, MRPharmS*  
Lecturer in Pharmacy Practice, University of Reading, Reading,  
Berkshire, England, United Kingdom

4:30 p.m. – 6:00 p.m.

**Scientific Paper Platform Presentations I – Cardiology/Internal Medicine**

*Moderator: Marc Israel, Pharm.D. FCCP, BCPS*  
Medical Director, CVM  
US Medical and Drug Regulatory Affairs  
Novartis Pharmaceutical Corporation  
East Hanover, New Jersey

*169E. Evaluation of a Pharmaceutical Care Program to the Cardiologic Patient*

*M. Montero Sr., Pharm, D, MA Roch, Pharm, D, I. Font, Pharm, D., Head, Section, Mj Fernández, Pharm, D, V Moreno, Pharm D and JI Poveda, Pharm, D., Head, Department*  
University Hospital La Fe, Valencia, Spain

*11E. Beta-adrenergic receptor mediated alterations of I(Ks) activity during I(Kr) inhibition*

*Brian R. Overholser, Pharm.D.<sup>1</sup>, Xiaomei Zheng, M.S.<sup>1</sup>, Lang Li, Ph.D.<sup>2</sup> and James E. Tisdale, Pharm.D.<sup>1</sup>*  
(1)School of Pharmacy & Pharmaceutical Sciences, Purdue University and School of Medicine, Indiana University, Indianapolis, IN  
(2)School of Medicine, Indiana University, Indianapolis, IN

*311. Pharmacist-managed direct thrombin inhibitor therapy improves safety in patients with heparin-induced thrombocytopenia*

*Bob Lobo, Pharm.D.<sup>1</sup>, Amanda M. Howard-Thompson, Pharm., D.<sup>2</sup>, Mandy Gillion, PharmD<sup>3</sup> and Christopher Finch, PharmD<sup>2</sup>*  
(1)Vanderbilt University, Nashville, TN  
(2)University of Tennessee College of Pharmacy, Memphis, TN  
(3)Methodist University Hospital, Memphis, TN

*328. French women post-menopausal osteoporosis treatment*

*Cedric Collin, PharmD, Elise Rochais, PharmD, Yvonnick Bezie, PharmD, PhD and Gerald Rajzbaum, MD*  
Groupement Hospitalier Paris Saint-Joseph, Paris, France

*135. Description of pharmacist activity on inpatient use of erythropoiesis-stimulating agents*

*Michelle E. Allen, PharmD<sup>1</sup>, Aimee LeClaire, PharmD<sup>1</sup> and Mark A. Allen, MS<sup>2</sup>*  
(1)Shands at the University of Florida, Gainesville, FL  
(2)University of Florida College of Pharmacy, Gainesville, FL

*184. Polypharmacy in United States veterans with post-traumatic stress disorder*

*Ravindra Pathak, PharmD, PhD, MBA<sup>1</sup>, Abril Atherton, PharmD<sup>2</sup> and Debra Macdonald, BS, Pharm<sup>3</sup>*  
(1)Salt Lake City Veterans Affairs Medical Center, Salt Lake City, UT  
(2)VA Salt Lake City HCS, Salt Lake City, UT  
(3)VA Salt Lake City Health Care System, Salt Lake City, UT

*68. Cefepime is not associated with increased mortality in pediatric cancer patients*

*Jamie Frediani, BS, Elisabeth E. Adderson, MD, Patricia Flynn, MD, MS, Michael J. Herr, BS and James M. Hoffman, Pharm.D., M.S., BCPS*  
St. Jude Children's Research Hospital, Memphis, TN

*All programming subject to change.*

6:30 p.m. – 8:30 p.m.                      **Opening Reception**

**Sunday, April 26, 2009**

7:00 a.m. – 6:30 p.m.                      **Meeting Registration, Bookstore, and Cyber Café**

8:00 a.m. – 9:30 a.m.                      **Scientific Poster Presentations II and Breakfast**

9:45 a.m. – 11:00 a.m.                    **PPAG Paper Platform Presentations**

9:45 a.m. – 11:45 a.m.                    **Plenary Session 2**

9:45 a.m.                                      The Impact of New Technologies on Medication Use and Patient Safety  
*Kenneth N. Barker, B.S., M.S.*  
Sterling Professor and Director, Center for Pharmacy Operations and Designs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Elizabeth A. Flynn, Ph.D.*  
Associate Research Professor, Auburn University, Auburn, Alabama, U.S.A.

*Bradford N. Barker, B.S.E.E.*  
Doctoral Graduate Student in Pharmacy Informatics, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

10:25 a.m.                                    Global Approaches to Assuring the Safety of Complementary and Alternative Medicine  
*Jinhui Dou, Ph.D.*  
Pharmacologist, Botanical Review Team, ODE-I, CDER, FDA, Silver Spring, Maryland, U.S.A.

11:05 a.m.                                    The Impact of Patient Behavior and Culture on Medication Use  
*Oralia V. Bazaldua, Pharm.D., FCCP, BCPS*  
Associate Professor, The University of Texas Health Science Center at San Antonio, San Antonio, Texas, U.S.A.

9:45 a.m. – 11:55 a.m.                    **Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

*Moderator: Melody Ryan, Pharm.D., BCPS, FCCP*  
Associate Professor, University of Kentucky, Lexington, Kentucky, U.S.A.

9:45 a.m.                                      Neurology  
*Melody Ryan, Pharm.D., BCPS*

10:55 a.m.                                    General Psychiatry  
*William A. Kehoe, Pharm.D., FCCP, BCPS*  
Professor of Clinical Pharmacy and Psychology; Chair, Department of Pharmacy Practice, University of the Pacific Stockton, California, U.S.A.

<b>12:00 p.m. – 2:00 p.m.</b>	<b>Navigating the Transition from Pharmacy School to Residency Training: Perspectives from Current Pharmacy Residents</b> <i>Moderator: Michelle Kucera, Pharm.D., BCPS</i> Consultant Pharmacist, American College of Clinical Pharmacy, Lenexa, Kansas, U.S.A.
12:00 p.m.	Welcome and Introductions
12:05 p.m.	Lunch
12:35 p.m.	Residency Prep 101: What to Do While You Are Still in Pharmacy School <i>Shannon L. Holt, Pharm.D.</i> PGY-1, Pharmacy Practice Resident, Duke University Hospital, Durham, North Carolina, U.S.A.
12:50 p.m.	Follow-up: Perspectives from the Panel I
1:10 p.m.	Making the Most of Residency: Time Management and Lessons for Success <i>Russell T. Attridge, Pharm.D.</i> M.S. Candidate, Specialty Resident in Pharmacotherapy, The University of Texas Health Science Center at San Antonio, San Antonio, Texas, U.S.A.  <i>Rachel C. Stratman, Pharm.D., BCPS</i> PGY-2 Critical Care Pharmacy Resident, Chief Resident, UK HealthCare, Lexington, Kentucky, U.S.A.
1:30 p.m.	Follow-up: Perspectives from the Panel II
1:50 p.m.	Ask a Resident: Questions and Answers <i>All panelists</i>
<b>12:00 p.m. – 2:00 p.m.</b>	<b>ACCP Committee and Task Force Meetings and Lunch</b>
<b>12:00 p.m. – 2:00 p.m.</b>	<b>Satellite Symposia</b>

2:15 p.m. – 4:00 p.m.

**Curricular Track 1 Workshop: Technology and Medication Safety**

*Moderator: Craig I. Coleman, Pharm.D.*

Assistant Professor, University of Connecticut School of Pharmacy, Storrs, Connecticut, U.S.A.; Methods Chief and Program Director, University of Connecticut/Hartford Hospital/Agency of Healthcare Research and Quality Evidence-Based Practice Center, Hartford, Connecticut, U.S.A.

**Using New Technology to Improve Patient Safety**

*Elizabeth A. Flynn, Ph.D.*

Associate Research Professor, Auburn University, Auburn, Alabama, U.S.A.

*Kenneth N. Barker, B.S., M.S.*

Sterling Professor and Director, Center for Pharmacy Operations and Designs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Bradford N. Barker, B.S.E.E.*

Doctoral Graduate Student in Pharmacy Informatics  
Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

2:15 p.m. – 4:00 p.m.

**Statistical Issues, Part II**

*Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

Part I of this symposium will be held on Saturday, April 25, 2:15 p.m. – 4:00 p.m.

*Moderator: Gary C. Yee, Pharm.D., FCCP, BCOP*

University of Nebraska Medical Center, College of Pharmacy, Omaha, Nebraska, U.S.A.

2:15 p.m.

Correlation and Regression

*Gary L. Cochran, Pharm.D., SM*

Assistant Professor of Pharmacy Practice, College of Pharmacy, University of Nebraska Medical Center, Omaha, Nebraska, U.S.A.

3:00 p.m.

Deciding When to DIY and When to Hire a Pro

*Greg Stoddard, M.B.A., M.P.H., Ph.D.*

Co-Director, University of Utah Study Design and Biostatistics Center; Adjunct Assistant Professor, Department of Orthopedics, University of Utah School of Medicine, Salt Lake City, Utah, U.S.A.

2:15 p.m. – 4:00 p.m.

**Geriatric Oncology: An Emerging Population, an Emerging Specialty**

*Developed by the Hematology/Oncology PRN and Cancer Care SIG.*

*Moderators: Vincent Launay-Vacher, Pharm.D.*

Clinical Pharmacist, Department of Nephrology, Pitie-Salpetriere Hospital, Paris, France

*Scott Soefje, Pharm.D., BCOP*

Director, Investigational Drug Section, Cancer Therapy & Research Center at The University of Texas Health Science Center, San Antonio, Texas, U.S.A.

2:15 p.m.

Introduction

2:25 p.m.

Chemotherapy Considerations in the Elderly Patient

*Mikael Daouphars, Pharm.D., Ph.D.*

Hospital Pharmacist, Cancer Centre Henri Becquerel, Rouen, France

2:55 p.m.

Supportive Care Paradigms for Treating Elderly Patients with Cancer

*Sarah L. Scarpace, Pharm.D., BCOP*

Assistant Professor, Pharmacy Practice, Albany College of Pharmacy, Albany, New York; Clinical Oncology Pharmacist, Stratton Veterans' Administration Medical Center, Albany, New York, U.S.A.

3:25 p.m.

Palliative Care and the Geriatric Oncology Patient

*Catherine Terret, M.D., Ph.D.*

Attending Physician, Centre Léon Bérard, Lyon, France

3:55 p.m.

Questions and Answers

2:15 p.m. – 4:00 p.m.

**Therapeutic Controversies in Critical Care and Nutrition Support**

*Developed by the GI/Liver/Nutrition PRN and Nutritional Support SIG.*

*Moderators: Maria Skouropoulou, Ph.D.*

*David Foster, Pharm.D.*

2:15 p.m.

Permissive Underfeeding in Sepsis

*(Pro) Maria Theodorakopoulou, M.D.*

*(Con) Gordon S. Sacks, Pharm.D., FCCP, BCNSP*

Professor and Head, Department of Pharmacy Practice, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

3:05 p.m.

Glycemic Targets in Critically Ill Patients

*(Pro) Imad F. Btaiche, Pharm.D., BCNSP*

*(Con) Clarence Chant, Pharm.D., BCPS, FCSHP*

Clinical Pharmacy Specialist, St. Michael's Hospital; Assistant Professor, University of Toronto Faculty of Pharmacy, Toronto, Ontario, Canada

2:15 p.m. – 5:35 p.m.

**Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

*Moderator: Jo E. Rodgers, Pharm.D., BCPS (AQ Cardiology)*

Clinical Assistant Professor, Division of Pharmacotherapy and Experimental Therapeutics, School of Pharmacy, University of North Carolina, Chapel Hill, North Carolina, U.S.A.

2:15 p.m.

Acute Care Cardiology

*Jo E. Rodgers, Pharm.D., BCPS (AQ Cardiology)*

3:55 p.m.

Critical Care

*Tudy Hodgman, Pharm.D., BCPS, FCCM*

Clinical Coordinator; Critical Care Specialist; Associate Professor of Pharmacy Practice, Midwestern University, Northwest Community Hospital, Arlington Heights, Illinois, U.S.A.

2:15 p.m. – 6:00 p.m.

**PPAG Symposia**

2:15 p.m.

Clinical Practice

Pediatric Pharmacy Practice Around the World: Challenges and Solutions

*Chair: Sara Arenas-Lopez*

Africa: Atieno Ojoo

Mexico: Fela Viso-Gurovich

Argentina: Graciela Calle

China: Zhiping Li

Spain: Eduardo Hidalgo

The Netherlands: Lidwien Hanff

3:45 p.m.

Outreach

*Chair: Stuart MacLeod*

Executive Director, Child & Family Research Institute; Vice President, Academic Liaison & Research Coordination, Provincial Health Services Authority; Professor, Department of Pediatrics and Associate Dean (Research), Faculty of Medicine, University of British Columbia

Business Plan in Tanzania

*Stephen Spielberg*

Marion Merrell Dow Chair in Pediatric Pharmacogenomics, Children's Mercy Hospital, Kansas City, Missouri, U.S.A.

4:15 p.m.

E-Learning and Rwanda Project

*Cindy Kenyon*

Neonatologist and Professor, Department of Paediatrics, Schulich School of Medicine, University of Western Ontario, London, Ontario, Canada

- 4:45 p.m. Challenges and Opportunities: Communication, Collaboration and Contribution—If Not Now, When?  
*Chair: Stuart MacLeod*
- Industry: Klaus Rose  
WHO: Sue Hill  
PPAG: Matt Helms  
NPPG: Rowena McArtney  
NIH: George Giacoia  
ACCP: David Hoff  
ESDP: John Van Den Anker  
ESCP: Sara Arenas
- 2:30 p.m. – 4:00 p.m. **Board of Pharmaceutical Specialties Open Hearing: Recognition of Ambulatory Care Pharmacy Practice as a Specialty**
- 2:30 p.m. – 4:30 p.m. **ACCP StuNet Advisory Committee Meeting**  
*By invitation only.*
- 4:30 p.m. – 6:00 p.m. **Curricular Track 2 Workshop: Complementary and Alternative Medications**
- Practical Methods For Interviewing and Educating Patients About Complementary and Alternative Medications**  
*Moderator: Sunny Linnebur, Pharm.D., FASCP, BCPS, CGP*  
Associate Professor, University of Colorado Denver School of Pharmacy, Aurora, Colorado, U.S.A.
- Faculty: Leslie A. Schimpf, Pharm.D., M.S.*  
Professor of Pharmacy, University of Michigan, Ann Arbor, Michigan, U.S.A.
- Betsy Sleath, Ph.D., R.Ph.*  
Professor, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, U.S.A.
- 4:30 p.m. – 6:00 p.m. **Curricular Track 3 Workshop: Impact of Pharmacogenomics and Culture on Medication Use and Safety**
- New Challenges Posed by the Clinical Applications of Pharmacogenomics**

4:30 p.m. – 6:00 p.m.

**Curricular Track 4 Workshop: Medication Error Assessment and Strategies for Error Prevention**

**A Hands-on Approach to Assessing Medication Errors and Drug-Related Problems**

*Moderator: Pat Murray*

Director of Pharmacy, NHS Lothian, Edinburgh, Scotland, United Kingdom

*Faculty: Nina Griese, Ph.D.*

Research Associate, ABDA - Federal Union of German Associations of Pharmacists, Berlin, Germany

*J.W.Foppe van Mil, Ph.D., Pharm.D.*

Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands

4:30 p.m. – 6:00 p.m.

**Scientific Paper Platform Presentations II --  
Infectious Disease / Geriatrics**

*72. Administration of Medicines to Older Patients with Dysphagia – Is It Optimal?*

Jennifer C. Kelly, MSc, BA(Hons), RGN, DipN, DipNEd and David J. Wright, PhD, BPharm(Hons), PGCHE  
University of East Anglia, Norwich, Norfolk, United Kingdom

*157. Implementation of clinical pharmacy in Belgian nursing homes: challenges identified during 2 interventional studies*

Charlotte L. Verrue, MPharm<sup>1</sup>, Els L. Mehuys, MPharm, PhD<sup>1</sup> and Mirko S. Petrovic, MD, PhD<sup>2</sup>

(1)Ghent University - Faculty of Pharmaceutical Sciences, Gent, Belgium

(2)Ghent University Hospital - Department of Geriatrics, Gent, Belgium

*66. Place of Rapid Diagnostic Tests of Pharyngitis in the Practice of Medicine in Community in Pays DE LA Loire November 2006 to January 2007*

Marie Pajot, Pharm, D<sup>1</sup>, Christophe Leux, M., D.<sup>2</sup>, Nathalie Asseray, M.D., Ph.D.<sup>3</sup>, Remy Senand, M.D.<sup>4</sup>, François Garnier, M.D.<sup>5</sup>, Gilles Potel, M.D., PhD<sup>3</sup>, Pierre Lombrail, M.D., PhD<sup>6</sup> and Françoise Ballereau, PharmD., Ph.D.<sup>7</sup>

(1)MEDQUAL, Nantes, France

(2)PIMESP, Nantes, France

(3)UPRES EA 38 26, Faculté de Médecine, Nantes

(4)Departments of General Medicine, Nantes, France

(5)Departments of General Medicine, Angers, France

(6)PIMESP, Nantes

(7)MEDQUAL, Nantes

*65. Use of antibiotic lock therapy in a treatment modality for catheter-related bloodstream infections*

P. Brandon Bookstaver, PharmD<sup>1</sup>, Katherine R. Gerrald, PharmD<sup>2</sup> and Robert R. Moran, PhD<sup>3</sup>

(1)South Carolina College of Pharmacy-USC Campus, Columbia, SC

(2)Wake Forest University Baptist Medical Center, Winston-Salem, NC

(3)Health Sciences Research Core - University of South Carolina, Columbia, SC

*67. Linezolid compared to vancomycin for the treatment of osteomyelitis*

Ryan P. Moenster, Pharm.D.<sup>1</sup>, Patrick M. Finnegan, Pharm.D.<sup>1</sup>, Travis W. Linneman, Pharm.D.<sup>1</sup> and Rodney Lusk, MD<sup>2</sup>

(1)John Cochran VA Medical Center/St. Louis College of Pharmacy, St. Louis, MO

(2)John Cochran VA Medical Center, St. Louis, MO

6:30 p.m. – 8:00 p.m.

**PRN-SIG Business Meetings and Networking Forums**



6:30 p.m.

**Pharmacokinetics/Pharmacodynamics**

This will be a networking forum for PRN members and guests to discuss current issues in pharmacokinetics and pharmacodynamics. Also, there will be time allocated for members to discuss potential topics for PRN symposia at upcoming ACCP meetings and other topics relevant to the PRN.

**Monday, April 27, 2009**

**7:00 a.m. – 6:30 p.m.**

**Meeting Registration, Bookstore, and Cyber Café**

**8:00 a.m. – 9:45 a.m.**

**Planning for Effective Teaching, Part I**

*Part of the ACCP Academy Teaching and Learning Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

Part II of this symposium will be held on Monday, April 27, 2:15 p.m. – 4:00 p.m.

*Moderator: Thomas D. Zlatic, Ph.D.*

Professor, St. Louis College of Pharmacy, St. Louis, Missouri

*Faculty: Brenda L. Gleason, Pharm.D.*

Associate Professor, St. Louis College of Pharmacy, St. Louis, Missouri

*Sheldon G. Holstad, Pharm.D.*

Professor, St. Louis College of Pharmacy, St. Louis, Missouri

*S. Dee Melnyk, Pharm.D.*

Clinical Assistant Professor, Durham VA Medical Center, Durham, North Carolina

*Thomas D. Zlatic, Ph.D.*

**8:00 a.m. – 9:45 a.m.**

**Attributes of a Leader, Part I**

*Part of the ACCP Academy Leadership and Management Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

Part II of this symposium will be held on Tuesday, April 28, 8:00 a.m. – 10:00 a.m.

*Moderator: Robert E. Smith, Pharm.D.*

Professor and Assistant to the Dean for Professional Affairs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Faculty: Peter Hurd, Ph.D.*

Professor of Pharmacy Administration, Director of Pharmaceutical Sciences and Liberal Arts Division, Assistant Dean for Assessment, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

*Robert E. Smith, Pharm.D.*

8:00 a.m. – 9:45 a.m.

**Infections and Critical Care—Debates on Daily Dilemmas and Decisions**

*Developed by the Critical Care PRN and Infectious Diseases PRN.*

*Moderator: Lance J. Oyen, Pharm.D., BCPS, FCCM  
Mayo Clinic, Rochester, Minnesota, U.S.A.*

8:00 a.m.

North American Versus European Approaches in the Treatment of MRSA Infections in Critically Ill Patients  
*Scott T. Micek, Pharm.D., BCPS*  
Clinical Pharmacist, Critical Care; Barnes-Jewish Hospital, St. Louis, Missouri, U.S.A.

*Dolors Soy, Pharm.D., Ph.D.*  
Associate Professor, Pharmacy School, University of Barcelona; Consultant, Clinical Pharmacist, Pharmacy Service, Hospital Clinic Barcelona, Barcelona, Spain

8:55 a.m.

Panel Discussion

9:00 a.m.

Optimal Dosing of Beta-lactams: Prolonged Versus Standard Intermittent Infusion in Critically Ill Patients  
*Tom Lodise, Pharm.D.*  
Associate Professor, Pharmacy Practice, Albany College of Pharmacy, Albany, New York, U.S.A.

*Stephanie Natsch, Pharm.D., Ph.D.*  
Clinical Pharmacist, Clinical Pharmacologist, Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands

8:00 a.m. – 10:00 a.m.

**Hot Topics and Late-Breaking Papers**

8:00 a.m. – 10:00 a.m.

**Scientific Paper Platform Presentations: The Great Eight**

8:15 a.m. – 11:35 a.m.

**Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

*Moderator: Edward F. Foote, Pharm.D., BCPS, FCCP*  
Professor and Chair of Pharmacy Practice, Nesbitt College of Pharmacy and Nursing, Wilkes University, Wilkes-Barre, Pennsylvania, U.S.A.

8:15 a.m.

Nephrology  
*Edward F. Foote, Pharm.D., BCPS, FCCP*

9:25 a.m.

Endocrine and Metabolic Disorders  
*Debra J. Barnette, Pharm.D., BCPS*  
Ambulatory Care Coordinator, University of North Carolina, Chapel Hill, North Carolina, U.S.A.

10:35 a.m.

Fluids, Electrolytes, and Nutrition  
*Judith Kristeller, Pharm.D., BCPS*  
Associate Professor, Wilkes University, Wilkes Barre, Pennsylvania, U.S.A.

10:15 a.m. – 11:45 a.m.

**Curricular Track 1: Technology and Medication Safety**

**Patient Centered Community Practice Technology**

*Moderator: Martin Schulz, Ph.D.*

Managing Director, Department of Medicine, ABDA, Berlin; Adjunct Professor, Goethe University Frankfurt, Frankfurt, Germany

10:15 a.m.

New Technologies to Improve Medication Selection, Administration, and Adherence

*Olivier Bugnon, Ph.D.*

Unit of Community Pharmacy Practice, Section of Pharmaceutical Sciences, University of Geneva and University of Lausanne, Switzerland

11:00 a.m.

Patient-focused Technologies to Provide Care in Home-based Settings

*Stephen E. Ross, M.D.*

Associate Professor, University of Colorado Denver Division of General Internal Medicine, Aurora, Colorado U.S.A.

10:15 a.m. – 11:45 a.m.

**Curricular Track 2: Complementary and Alternative Medications**

**Toxicities Associated with CAM Therapy**

*Moderator: J.W.Foppe van Mil, Ph.D., Pharm.D.*

Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands

10:15 a.m.

Reporting Adverse Drug Reactions Associated with CAM: A European Perspective

*Peter de Smet*

Senior Researcher, Scientific Institute of Dutch Pharmacists, The Hague, The Netherlands; Professor, Quality of Pharmaceutical Care, Academic Medical Centre of the Radboud University, Nijmegen, The Netherlands

11:00 a.m.

Reporting Adverse Drug Reactions Associated with CAM: a North-American Perspective

*Vasilios H. Frankos Ph.D.*

Director Division of Dietary Supplement Programs, Food and Drug Administration, Center for Food Safety and Applied Nutrition, College Park, Maryland, U.S.A.

10:15 a.m. – 11:45 a.m.

**Curricular Track 3: Impact of Pharmacogenomics and Culture on Medication Use and Safety**

**Impact of Culture on Medication Use and Safety**

*Moderator: Nathaniel M. Rickles, Pharm.D., Ph.D., BCPP*

Assistant Professor of Pharmacy Practice and Administration, Northeastern University, School of Pharmacy, Boston, Massachusetts, U.S.A.

- 10:15 a.m. Health Care Beliefs that Influence Medication Use and Safety Among Major Ethnic Groups  
*Kenneth Fung, M.D., FRCPC, MSc*  
Staff Psychiatrist and Clinical Director, Asian Initiative in Mental Health Program, Toronto Western Hospital, University Health Network; Assistant Professor, Culture, Community, and Health Studies Program, Department of Psychiatry, University of Toronto, Toronto, Ontario, Canada
- 11:00 a.m. Health Care Beliefs that Influence Medication Use and Safety Among Major Religious Groups  
*Amy B. Werremeyer, Pharm.D.*  
Assistant Professor of Pharmacy Practice, North Dakota State University, Fargo, North Dakota, U.S.A.
- 10:15 a.m. – 11:45 a.m. Curricular Track 4: Medication Error Assessment and Strategies for Error Prevention**  
*Moderator: Brian J. Kopp, Pharm.D., BCPS*  
Clinical Pharmacist, Adult Critical Care, University Medical Center, Tucson, Arizona, U.S.A.
- 10:15 a.m. Strategies to Ensure Safe Medication Use: Preventing Medication Incidents  
*Christine Bond BPharm (Hons) MEd, Ph.D., FRPharmS, FFPH*  
Professor of Primary Care (Pharmacy), Centre of Academic Primary Care, University of Aberdeen, Aberdeen, Scotland, United Kingdom
- 11:00 a.m. Sharing Best Practices: Health Care System Differences  
*Craig A. Pedersen, Ph.D.*  
Associate Professor, The Ohio State University College of Pharmacy, Columbus, Ohio, U.S.A.

10:15 a.m. – 11:45 a.m.

**Scientific Paper Platform Presentations III – Pediatrics**

356. *Implementing universal indomethacin prophylaxis to reduce pulmonary hemorrhage in a neonatal intensive care unit*  
Betsy Walters Burkey, PharmD, BCPS, David Dolcini, RRT-NPS, Jeffery Pietz, M.D., Babu Achanti, M.D. and Erin Clifford Stepka, M.D., Ph.D.

Fairview Hospital/A Cleveland Clinic Hospital, Cleveland, OH

322. *Population Pharmacokinetics of Intravenous Hydrocortisone in Neonates*

Varsha Bhatt-Mehta, MS, (CRDSA), Pharm.D., FCCP<sup>1</sup>, John DE Barks, MD<sup>1</sup>, Delia M Vazquez, MD<sup>1</sup> and Paul Williams, Pharm.D., FCP, FCCP<sup>2</sup>

(1)University of Michigan, Ann Arbor, MI

(2)University of The Pacific, Stockton, CA

323. *Opening the white boxes: The licensing documentation of efficacy and safety of psychotropic medicines for children*

Lise Aagaard, PhD, (pharm), BA, Econ<sup>1</sup>, Steffen Thirstrup, Ph.D., M.D.<sup>2</sup> and Ebba H. Hansen, Professor, MSc, Pharm<sup>1</sup>

(1)Department of Pharmacology and Pharmacotherapy, Section for Social Pharmacy, Faculty of Pharmaceutical Sciences, University of C, Copenhagen, Denmark

(2)The Danish Medicines Agency, Copenhagen, Denmark

298. *Adverse drug reactions from psychotropic medicines reported for children: a retrospective analysis of Danish reports 1998-2007*

Ebba H. Hansen, Professor, MSc, Pharm and Lise Aagaard, PhD (pharm)

Department of Pharmacology and Pharmacotherapy, Section for Social Pharmacy, Faculty of Pharmaceutical Sciences, University of C, Copenhagen, Denmark

12:00 p.m. – 1:30 p.m.

**Deans Luncheon**

*By invitation only.*

12:00 p.m. – 2:00 p.m.

**Satellite Symposia**

2:15 p.m. – 3:30 p.m.

**ACCP Spring Awards and New Investigator Award Lecture**

2:15 p.m.

**Introduction and Presentation of Awards**

*John E. Murphy, Pharm.D., FCCP, FASHP*

ACCP President; University of Arizona, Tucson, Arizona, U.S.A.

**ACCP New Clinical Practitioner Award**

*Jeremy D. Flynn, Pharm.D., BCPS*

UKHealthcare/Assistant Professor, Department of Pharmacy Practice and Science, University of Kentucky, Lexington, Kentucky, U.S.A.

**ACCP New Educator Award**

*Jeffrey Bratberg, Pharm.D., BCPS*

Clinical Associate Professor of Pharmacy Practice, University of Rhode Island (URI) College of Pharmacy, Kingston, Rhode Island, U.S.A.

2:30 p.m.

**ACCP New Investigator Award Lecture**

*Craig I. Coleman, Pharm.D.*

Assistant Professor, University of Connecticut School of Pharmacy, Storrs, Connecticut, U.S.A.; Methods Chief and Program Director, University of Connecticut/Hartford Hospital/Agency of Healthcare Research and Quality Evidence-Based Practice Center, Hartford, Connecticut, U.S.A.

3:15 p.m.

Questions and Answers

**2:15 p.m. – 4:00 p.m.**

**Planning for Effective Teaching, Part II**

*Part of the ACCP Academy Teaching and Learning Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

Part I of this symposium will be held on Monday, April 27, 8:00 a.m. – 9:45 a.m.

*Moderator: Thomas D. Zlatic, Ph.D.*

Professor, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

*Faculty: Brenda L. Gleason, Pharm.D.*

Associate Professor of Pharmacy Practice, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

*Sheldon G. Holstad, Pharm.D.*

Professor, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

*S. Dee Melnyk, Pharm.D.*

Clinical Assistant Professor, Durham VA Medical Center, Durham, North Carolina, U.S.A.

*Thomas D. Zlatic, Ph.D.*

2:15 p.m. – 4:00 p.m.

**International Point-of-Care Drug Information Resources**

*Developed by the Drug Information PRN and Medicine Information SIG.*

*Moderator: Philip J. Gregory, Pharm.D.*

Assistant Professor, Pharmacy Practice, Center for Drug Information & Evidence-Based Practice, Creighton University, Omaha, Nebraska U.S.A.

2:15 p.m.

Drug Information in a Global Environment: An International Perspective on How to Find Drug Information of Foreign Resources

*David Woods, M.Pharm.*

Consultant Pharmacist, Pharmacy Department, University of Otago, Dunedin, New Zealand

2:45 p.m.

Point-of-Care Resources from a Global Perspective: What Are Practitioners Using Successfully?

*Eric A. Jackson, Pharm.D, BCPS, FCCP*

Associate Professor of Family Medicine, University of Connecticut School of Medicine, Family Medicine Center at Asylum Hill, Hartford, Connecticut, U.S.A.

*Yolande Hanssens, Pharm.D., Full Member ASCPT*

Clinical Pharmacy Coordinator, Hamad General Hospital, Hamad Medical Corporation, Doha, Qatar

2:15 p.m. – 4:00 p.m.

**Evolving Systems and New Developments in Stroke Management**

*Developed by the Central Nervous System PRN.*

*Moderator: Kimberly Tallian, Pharm.D., BCPP, FASHP, FCSHP*

UC San Diego Medical Center, San Diego, California, U.S.A.

2:15 p.m.

Current Controversies (Pro vs. Con Debate)

*Anne E. Kinnear, MSc, MRPharmS*

Lead Pharmacist, Medicine of Elderly & Stroke, Royal Infirmary of Edinburgh, Scotland, United Kingdom

*Denise H. Rhoney, Pharm.D., FCCP, FCCM*

Associate Professor, Wayne State University, Detroit, Michigan, U.S.A.

3:05 p.m.

Future Treatments (Pro vs. Con Debate)

*Anne E. Kinnear*

*Denise H. Rhoney, Pharm.D., FCCP, FCCM*

2:15 p.m. – 4:00 p.m.

**Senior Moments for Pharmacists: Appropriate Medication Prescribing in the Elderly**

*Developed by the Cardiology PRN, Geriatrics PRN, and Geriatrics SIG.*

*Moderators: Heather Bieber, Pharm.D., CGP, BCPS  
Geriatric Clinical Specialist; Lake City Veterans' Affairs Medical Center, Lake City, Florida, U.S.A.*

*Louise Mallet, B.Sc.Pharm., Pharm.D., CGS  
Professor in Clinical Pharmacy, Faculty of Pharmacy; University of Montreal, Montreal, Quebec, Canada; Pharmacist in Geriatrics, Department of Pharmacy; McGill University Health Center, Montreal, Quebec, Canada*

2:15 p.m.

Introduction

2:20 p.m.

Systematic Approach to Appropriate Prescribing in the Elderly  
*Anne Spinewine, MPharm, MSc, Ph.D.*  
Principal Clinical Pharmacist and Lecturer, Cliniques Universitaires de Mont-Godinne and Center for Clinical Pharmacy, Université Catholique de Louvain, Yvoir and Brussels, Belgium

2 :55 p.m.

Senior Moments in the Management of the Cardiovascular Patient  
*Toni L. Ripley, Pharm.D., BCPS, AQ-Cardiology*  
Associate Professor; University of Oklahoma College of Pharmacy, Oklahoma City, Oklahoma, U.S.A.

3:30 p.m.

Panel Discussion  
*Heather Bieber, Pharm.D., CGP, BCPS*  
  
*Louise Mallet, B.Sc.Pharm., Pharm.D., CGS*  
  
*Todd P. Semla, Pharm.D., FCCP, BCPS*  
AGSF Clinical Pharmacy Specialist, Department of Veterans Affairs; Associate Professor, Departments of Medicine and Psychiatry, Northwestern University, Chicago, Illinois, U.S.A.  
  
*Joseph P. Vande Griend, Pharm.D., BCPS*  
Assistant Professor, University of Colorado Denver, Aurora, Colorado, U.S.A.

2:15 p.m. – 5:35 p.m.

**Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

*Moderator: Teresa B. Klepser, Pharm.D., BCPS, FCCP*  
Associate Professor, Ferris State University, Kalamazoo, Michigan, U.S.A.

2:15 p.m.

Ambulatory Care  
*Teresa B. Klepser, Pharm.D., BCPS, FCCP*

3:55 p.m.

Men's and Women's Health  
*Teresa B. Klepser, Pharm.D., BCPS, FCCP*

**4:30 p.m. – 6:00 p.m. Curricular Track 1 Workshop: Technology and Medication Safety**

**Using Technology to Monitor Patient Outcomes**

*Moderator: William L. Baker, Pharm.D., BCPS*

Senior Scientist, Evidence-Based Practice Center, Hartford, Connecticut, U.S.A.

*Bradford N. Barker, BSEE*

Doctoral Graduate Student in Pharmacy Informatics, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Elizabeth A. Flynn, Ph.D.*

Associate Research Professor, Auburn University, Auburn, Alabama, U.S.A.

*Kenneth N. Barker, B.S., M.S.*

Sterling Professor and Director, Center for Pharmacy Operations and Designs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

**4:30 p.m. – 6:00 p.m. Curricular Track 2 Workshop: Complementary and Alternative Medications**

**Utilizing CAM Information in Clinical Practice: Finding, Interpreting, and Evaluating Resources**

*Moderator: J.W.Foppe van Mil, Ph.D., Pharm.D.*

Pharmacy practice consultant, van Mil Consultancy, Zuidlaren, The Netherlands

*Faculty: Philip J. Gregory, Pharm.D.*

Assistant Professor, Pharmacy Practice, Center for Drug Information & Evidence-Based Practice, Creighton University, Omaha, Nebraska U.S.A.

*Amy Friedman Wilson, Pharm.D.*

Associate Professor of Pharmacy Practice; Director, Center for Drug Information & Evidence-Based Practice, Creighton University School of Pharmacy and Health Professions, Omaha, Nebraska, U.S.A.

**4:30 p.m. – 6:00 p.m. Curricular Track 3 Workshop: Impact of Pharmacogenomics and Culture on Medication Use and Safety**

*Moderator: Mary Beth O'Connell, Pharm.D., FCCP, BCPS*

Associate Professor, Eugene Applebaum College of Pharmacy, Wayne State University, Detroit, Michigan, U.S.A.

4:30 p.m.

Improving Medication Knowledge and Individualized Care: A Culturally Competent Approach

*Nathaniel M. Rickles, Pharm.D., Ph.D., BCPP*

Assistant Professor of Pharmacy Practice and Administration, Northeastern University, School of Pharmacy, Boston, Massachusetts, U.S.A.

5:15 p.m.

Cultural Issues That Impact Patient Care

*Emily Weidman-Evans, Pharm.D., AE-C*

Assistant Professor, University of Louisiana at Monroe College of Pharmacy, Shreveport, Louisiana, U.S.A.

4:30 p.m. – 6:00 p.m.

**Curricular Track 4 Workshop: Medication Error Assessment and Strategies for Error Prevention**

**Implementing Novel Medication Error Prevention Strategies**

*Moderator: Brian L. Erstad, Pharm.D.*

Professor, College of Pharmacy-Pulido Center, The University of Arizona, Tucson, Arizona, U.S.A.

*Faculty: Gordon Thomson, MSc, MRPharmS*

Principal Clinical Pharmacist, Medicine & Cardiovascular  
Ninewells Hospital & Medical School, Dundee, Scotland, United Kingdom

4:30 p.m. – 6:00 p.m.

**Scientific Paper Platform Presentations IV – General  
Clinical/Education**

*76. Drug-related hospital admissions: prospective analysis of 3904 patients*

Chuenjid Kongkaew, MSc<sup>1</sup>, Peter Noyce, PhD<sup>1</sup>, Steven Williams, BPharm<sup>1</sup>, David Metcalfe, BSc<sup>2</sup>, Jaydeep Mandal, MD<sup>3</sup> and *Darren M. Ashcroft, PhD<sup>1</sup>*

(1)School of Pharmacy and Pharmaceutical Sciences, University of Manchester, Manchester, United Kingdom

(2)Wrightington, Wigan and Leigh NHS Trust, Wigan, United Kingdom

(3)University Hospital of South Manchester NHS Trust, Manchester, United Kingdom

*90. Authentication of drugs at the point of dispensing protects patients*

*Steven RA Simoens, MSc, PhD<sup>1</sup>* and Jan Saevels, MSc<sup>2</sup>

(1)Katholieke Universiteit Leuven, Leuven, Belgium

(2)Association Pharmaceutique Belge, Brussels, Belgium

*75. Latent opportunities for errors in medication orders in four health authorities*

*Neil J. MacKinnon, BSc(Pharm), MSc, PhD<sup>1</sup>*, Rumi Pattar, BSc(Pharm), PharmD<sup>2</sup>, Rita Nigam, PhD<sup>1</sup>, Vaneeta K. Grover, MSc<sup>1</sup> and Tiffany T. Nguyen, BSc<sup>1</sup>

(1)Dalhousie University, Halifax, NS, Canada

(2)University of British Columbia, Vancouver, BC

*315. Audit of errors and quality of patient medication hospital discharge information*

*Tommy Eriksson, AssProf, PhD, MScPharm*, Emma Hamrin, MScPharm and Åsa Bondesson, PhD, MScPharm  
Hospital Pharmacy University Hospital, Lund, Sweden

*26. Problem based learning within UK pharmacy education: What is its value?*

Tracey Sach, PhD<sup>1</sup>, *David J. Wright, BPharm, PhD<sup>2</sup>* and Jane Evans, MPharm, (Hons)<sup>1</sup>

(1)School of Chemical Sciences & Pharmacy, Norwich, United Kingdom

(2)University of East Anglia, Norwich, United Kingdom

*327. Attitudes of pharmacy students toward patients with mental illness in Benin City, Nigeria*

*Ehije F.O. Enato, PhD<sup>1</sup>* and Chioma M. Okpalla, PharmD<sup>2</sup>

(1)Department of Clinical Pharmacy & Pharmacy Practice, Faculty of Pharmacy, University of Benin, Benin City, Nigeria

(2)At the time of the study, Dr Okpalla was a PharmD student at the Faculty of Pharmacy, University of Benin, Benin City, Nigeria

6:30 p.m. – 8:00 p.m.

**PRN-SIG Business Meetings and Networking Forums**



8:00 a.m. – 10:00 a.m.

**Attributes of a Leader, Part II**

*Part of the ACCP Academy Leadership and Management Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

Part I of this symposium will be held on Monday, April 27,  
8:00 a.m. – 9:45 a.m.

*Moderator: Robert E. Smith, Pharm.D.*

Professor and Assistant to the Dean for Professional Affairs, Harrison School of Pharmacy, Auburn University, Auburn, Alabama, U.S.A.

*Faculty: Peter Hurd, Ph.D.*

Professor of Pharmacy Administration, Director of Pharmaceutical Sciences and Liberal Arts Division, Assistant Dean for Assessment, St. Louis College of Pharmacy, St. Louis, Missouri, U.S.A.

*Robert E. Smith, Pharm.D.*

8:00 a.m. – 10:00 a.m.

**Survey Methods: Applications in Educational and Health Services Research**

*Part of the ACCP Academy Research and Scholarship Development Certificate Program. For more information visit the Web site at <http://www.accp.com/academy>.*

*Diane E. Beck, Pharm.D.*

Director, Educational and Faculty Development, University of Florida, Gainesville, Florida, U.S.A.

*Kathleen Bungay, B.S., R.Ph., Pharm.D., M.S., FCCP*

Associate Professor, Northeastern University School of Pharmacy, Boston, Massachusetts, U.S.A.

8:00 a.m. – 12:30 p.m.

**Updates in Therapeutics: The Pharmacotherapy Preparatory Course**

*Moderator: Brian Hemstreet, Pharm.D., BCPS*

Assistant Professor, University of Colorado at Denver and Health Sciences Center, Denver, Colorado, U.S.A.

8:00 a.m.

Gastrointestinal Disorders

*Brian Hemstreet, Pharm.D., BCPS*

9:10 a.m.

Outpatient Cardiology

*Robert Lee Page II, Pharm.D., FCCP, FAHA, BCPS, CGP*

Associate Professor of Clinical Pharmacy & Physical Medicine; Clinical Specialist, Division of Cardiology, University of Colorado at Denver Health Sciences Center, School of Pharmacy, Aurora, Colorado, U.S.A.

**10:15 a.m. – 12:15 p.m.**

**Final Plenary Session**

*Moderators: John E. Murphy, Pharm.D., FCCP, FASHP*  
ACCP President; University of Arizona, Tucson, Arizona, U.S.A.

*Frank Jorgensen*

ESCP President; Advisory Service Hordaland, The Hospital  
Pharmacy at Hauuelanb, Bergen, Norway

- 10:15 a.m. Best Paper Presentation
- 10:30 a.m. Raising the Bar: Establishing Clinical Pharmacist Competence to  
Ensure Patient Safety  
*Rose Marie Parr, BSc (Hons), MSc, PhD, FRPharmS*  
Director of Pharmacy, NHS Education for Scotland,  
Glasgow, Scotland, United Kingdom
- 11:15 a.m. Patient Safety in 2015 and Beyond: Clinical Pharmacy's Future  
Roles and Responsibilities  
*Philip J. Schneider, M.S., F.A.S.H.P.*  
Clinical Professor and Director, Administrative and Professional  
Affairs, University of Arizona College of Pharmacy at the Phoenix  
Biomedical Campus, Phoenix, Arizona, U.S.A.
- 11:45 a.m. Plenary Questions
- 12:00 p.m. Closing Remarks